

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088285.D
 Acq On : 23 Jun 2016 9:53
 Operator : UM/SJ
 Sample : H3084-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 13:52:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

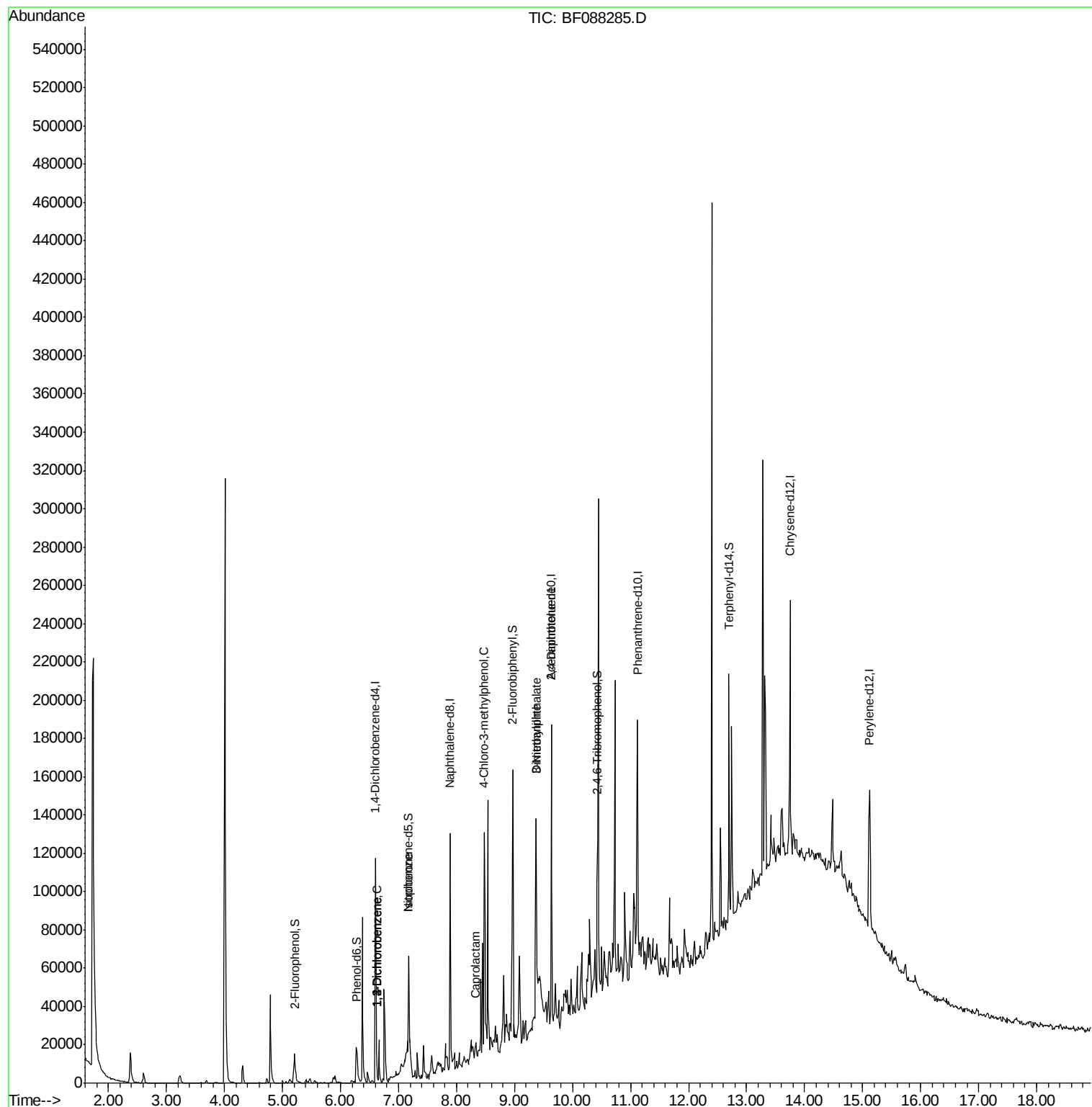
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	19363	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	77522	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	34250	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	48414	20.00	ng	0.00
75) Chrysene-d12	13.75	240	44047	20.00	ng	0.00
86) Perylene-d12	15.12	264	32226	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	13485	11.91	ng	0.03
7) Phenol-d6	6.27	99	13743	10.01	ng	0.01
23) Nitrobenzene-d5	7.18	82	19807	14.92	ng	0.00
41) 2,4,6-Tribromophenol	10.43	330	7999	22.12	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	46559	16.92	ng	0.00
78) Terphenyl-d14	12.70	244	36374	18.79	ng	0.00
Target Compounds						
10) Phenol	6.30	94	280	Below Cal	#	44
12) 1,3-Dichlorobenzene	6.63	146	6264	4.35	ng	95
13) 1,4-Dichlorobenzene	6.63	146	6264	4.32	ng	96
14) 1,2-Dichlorobenzene	6.63	146	6264	4.75	ng	100
25) Isophorone	7.18	82	19806	8.05	ng	# 65
35) Caprolactam	8.33	113	1011	2.88	ng	# 64
36) 4-Chloro-3-methylphenol	8.48	107	19164	16.92	ng	# 19
49) Dimethylphthalate	9.37	163	30219	12.18	ng	100
52) 3-Nitroaniline	9.37	138	66607	101.59	ng	# 19
56) 2,4-Dinitrotoluene	9.63	165	4277	5.86	ng	# 36
57) Fluorene	10.16	166	833	Below Cal	#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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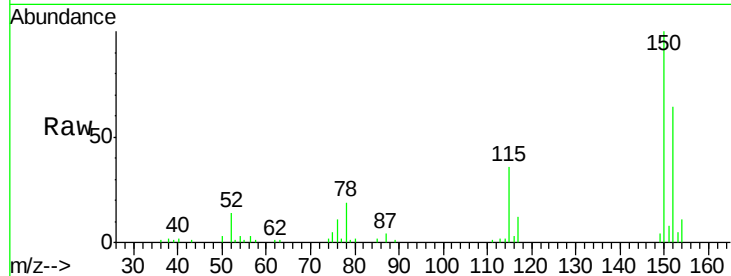


#1

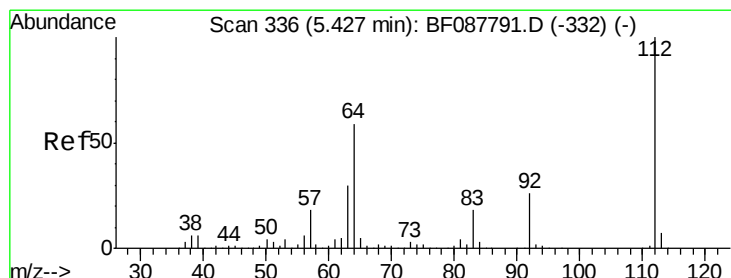
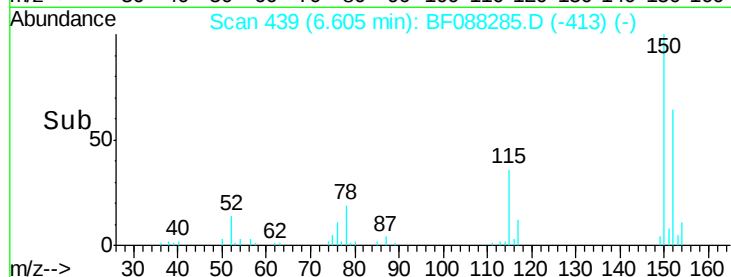
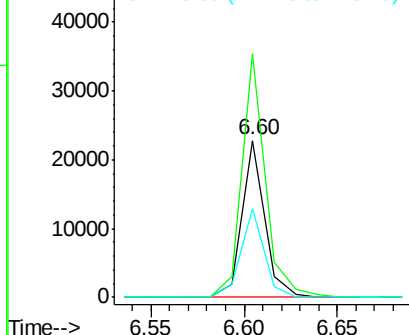
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF088285.D
Acq: 23 Jun 2016 9:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 19363
Ion Ratio Lower Upper
152 100
150 155.1 123.8 185.6
115 56.4 39.6 59.4



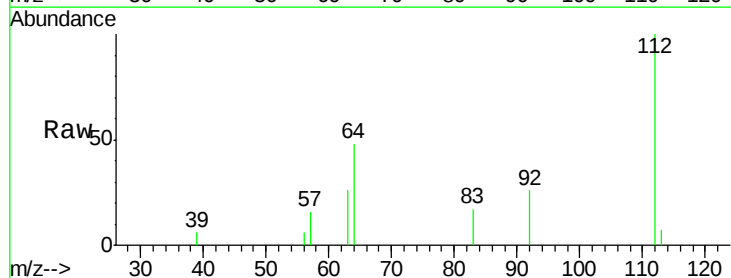
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



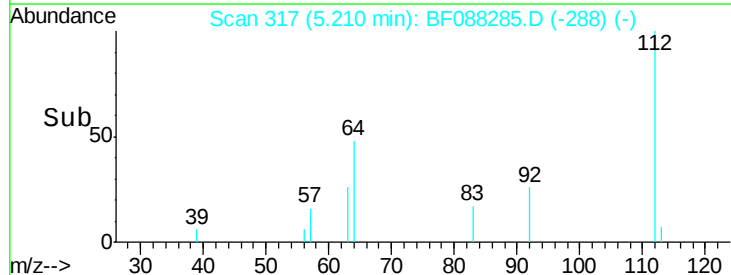
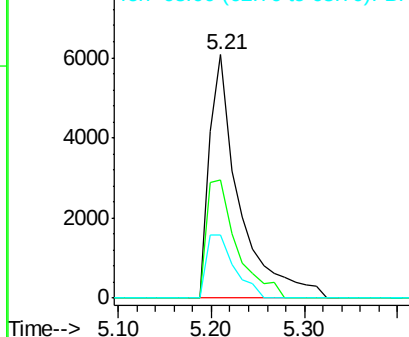
#5

2-Fluorophenol
Concen: 11.91 ng
RT: 5.21 min Scan# 317
Delta R.T. 0.03 min
Lab File: BF088285.D
Acq: 23 Jun 2016 9:53

Tgt Ion:112 Resp: 13485
Ion Ratio Lower Upper
112 100
64 48.3 42.2 63.2
63 25.8 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 10.01 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.01 min

Lab File: BF088285.D

Acq: 23 Jun 2016 9:53

Instrument :

BNA_F

ClientSampleId :

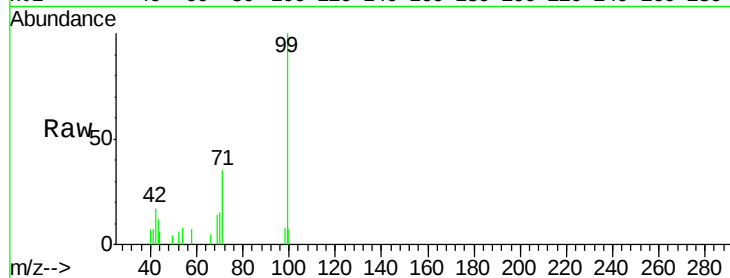
Tot Ion: 99 Resp: 13743

Ion Ratio Lower Upper

99 100

42 17.3 12.2 18.2

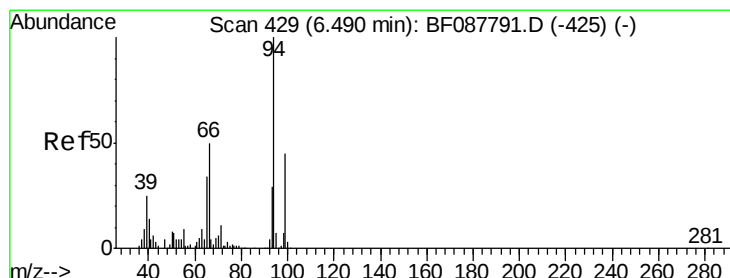
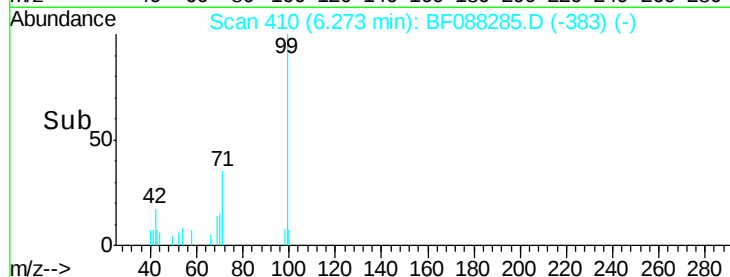
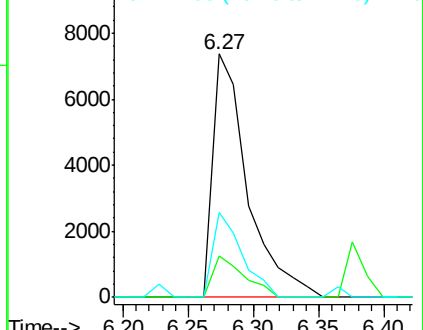
71 34.7 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: Below Cal

RT: 6.30 min Scan# 412

Delta R.T. 0.02 min

Lab File: BF088285.D

Acq: 23 Jun 2016 9:53

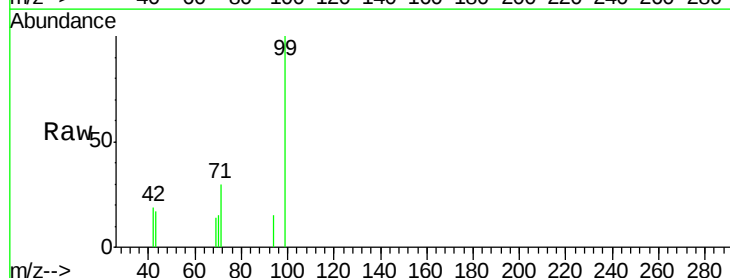
Tgt Ion: 94 Resp: 280

Ion Ratio Lower Upper

94 100

65 0.0 5.9 45.9#

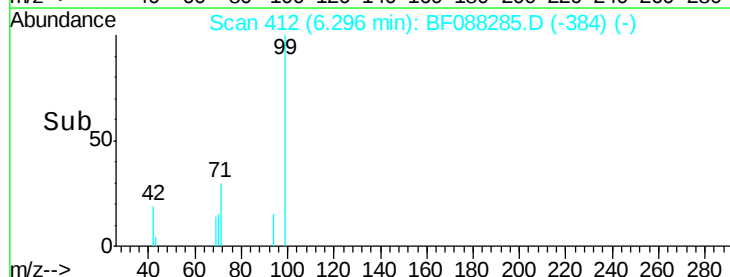
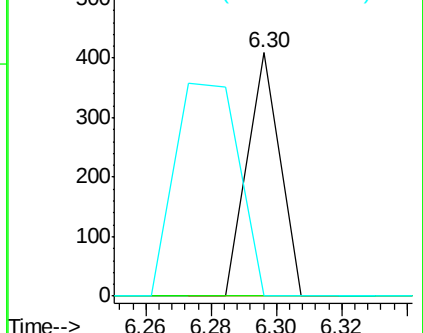
66 0.0 14.0 54.0#

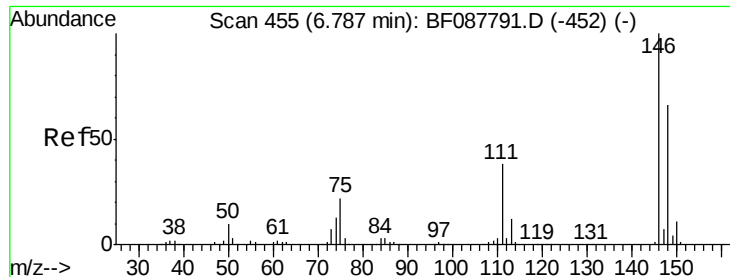


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

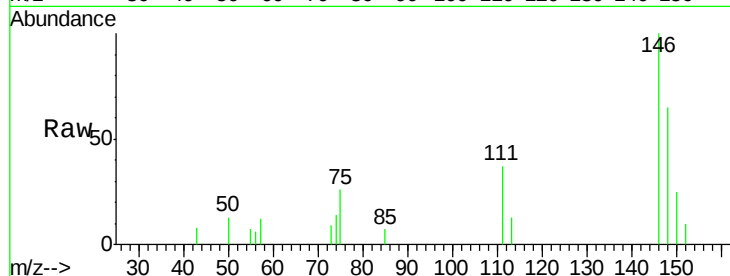




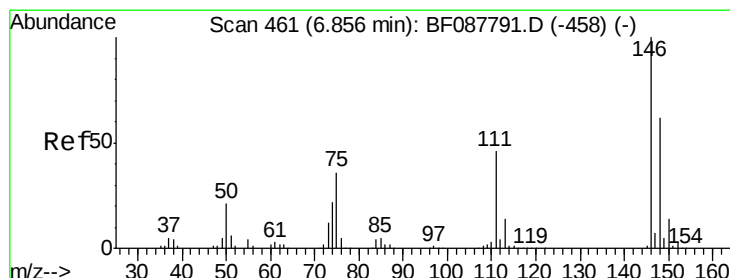
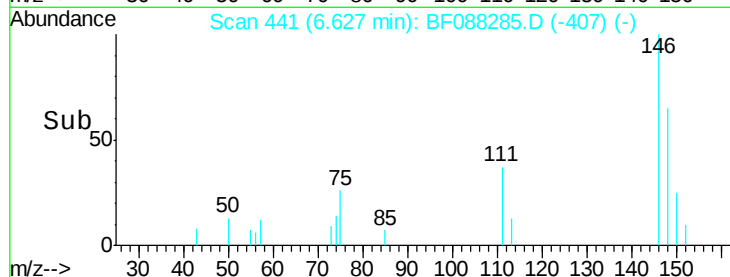
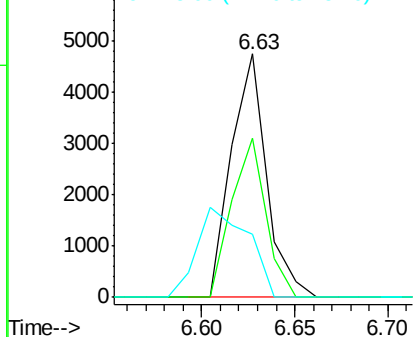
#12
 1,3-Dichlorobenzene
 Concen: 4.35 ng
 RT: 6.63 min Scan# 441
 Delta R.T. 0.09 min
 Lab File: BF088285.D
 Acq: 23 Jun 2016 9:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 6264
 Ion Ratio Lower Upper
 146 100
 148 65.3 50.9 76.3
 75 26.1 25.6 38.4

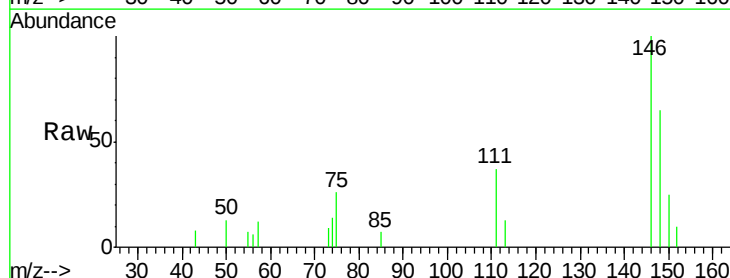


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

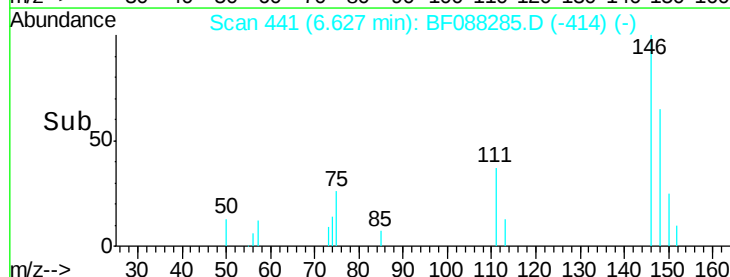
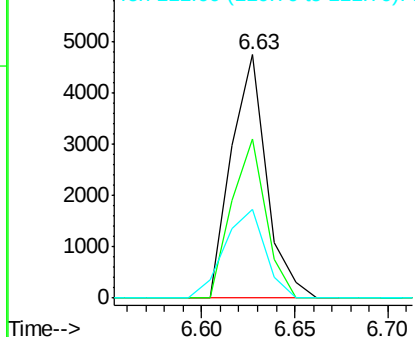


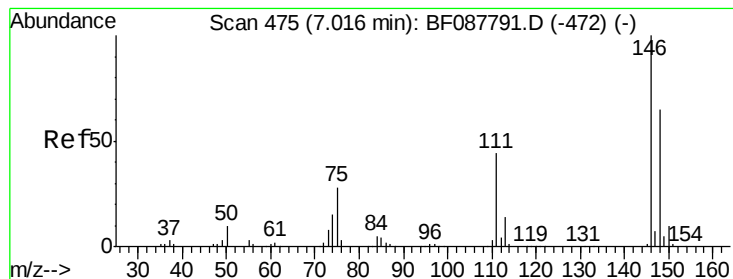
#13
 1,4-Dichlorobenzene
 Concen: 4.32 ng
 RT: 6.63 min Scan# 441
 Delta R.T. 0.01 min
 Lab File: BF088285.D
 Acq: 23 Jun 2016 9:53

Tgt Ion:146 Resp: 6264
 Ion Ratio Lower Upper
 146 100
 148 65.3 52.0 78.0
 111 36.6 33.8 50.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

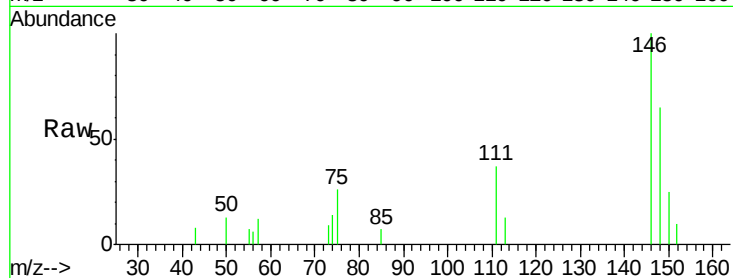




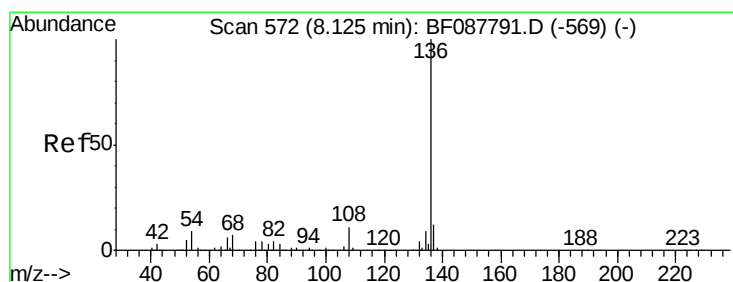
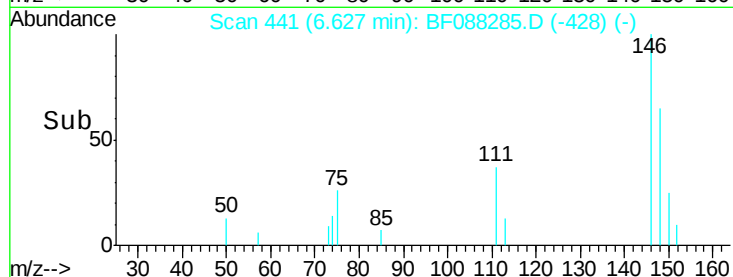
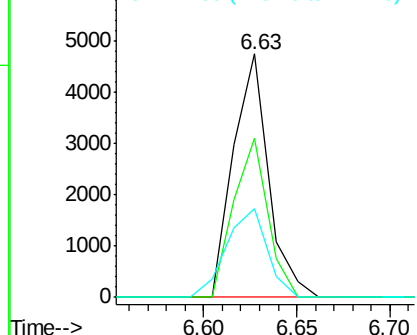
#14
 1,2-Dichlorobenzene
 Concen: 4.75 ng
 RT: 6.63 min Scan# 441
 Delta R.T. -0.15 min
 Lab File: BF088285.D
 Acq: 23 Jun 2016 9:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 6264
 Ion Ratio Lower Upper
 146 100
 148 65.3 52.3 78.5
 111 36.6 28.7 43.1

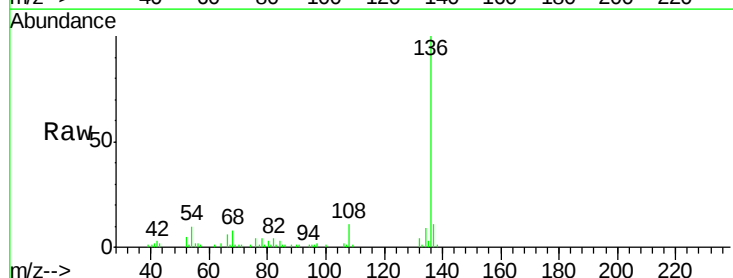


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

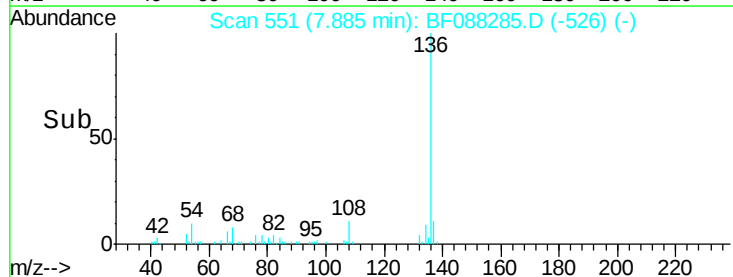
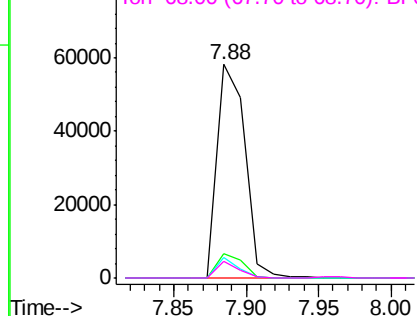


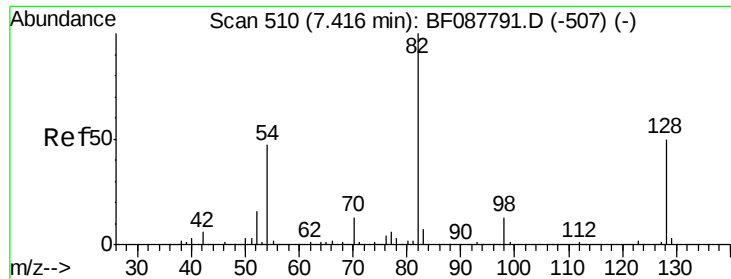
#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.88 min Scan# 551
 Delta R.T. -0.01 min
 Lab File: BF088285.D
 Acq: 23 Jun 2016 9:53

Tgt Ion:136 Resp: 77522
 Ion Ratio Lower Upper
 136 100
 137 11.2 9.1 13.7
 54 9.6 6.6 10.0
 68 7.9 5.1 7.7#



Abundance Ion 136.00 (135.70 to 136.70): E
 Ion 137.00 (136.70 to 137.70): E
 Ion 54.00 (53.70 to 54.70): BF0
 Ion 68.00 (67.70 to 68.70): BF0

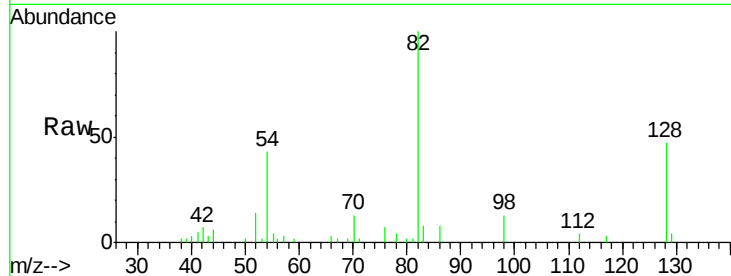




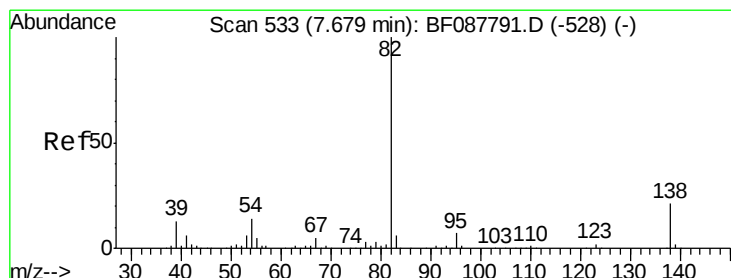
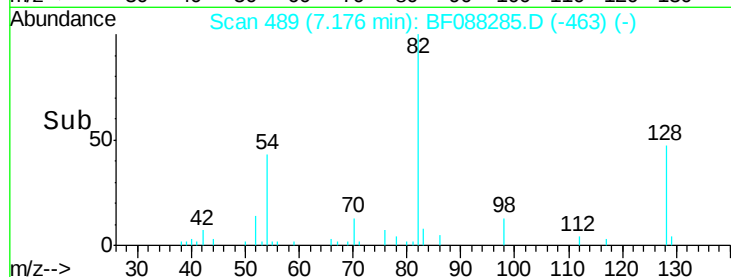
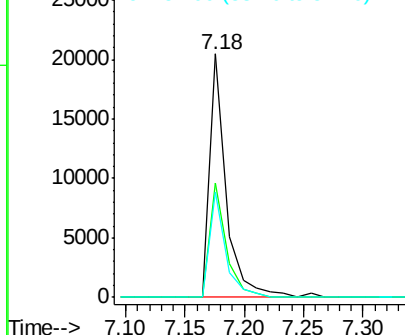
#23
Nitrobenzene-d5
Concen: 14.92 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.00 min
Lab File: BF088285.D
Acq: 23 Jun 2016 9:53

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	19807
Ion Ratio	100	Lower	Upper
128	47.2	35.9	53.9
54	43.5	40.9	61.3

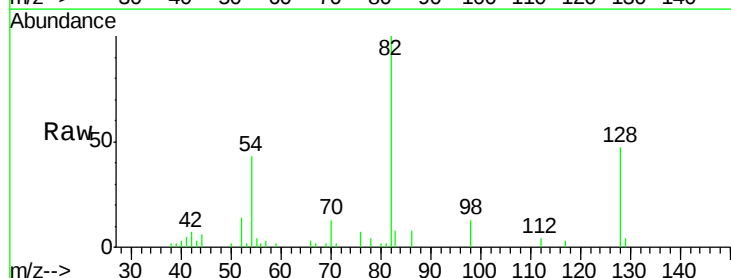


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

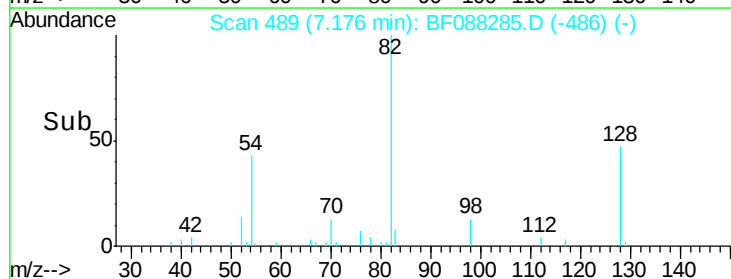
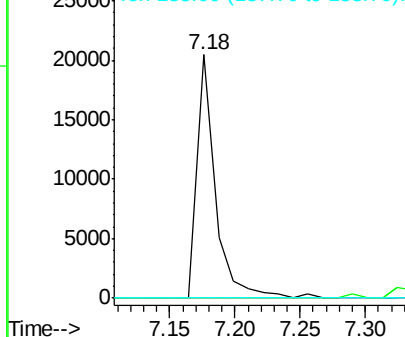


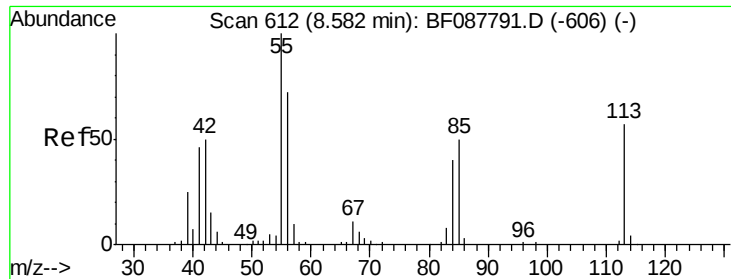
#25
Isophorone
Concen: 8.05 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.26 min
Lab File: BF088285.D
Acq: 23 Jun 2016 9:53

Tgt Ion	82	Resp	19806
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

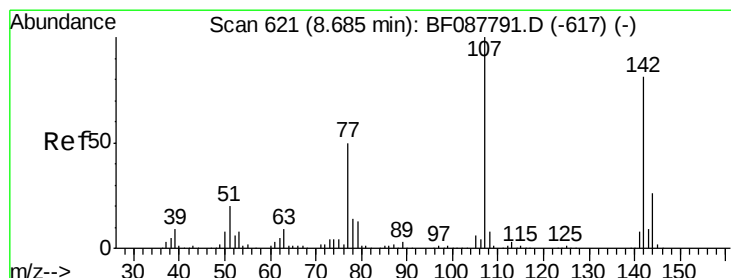
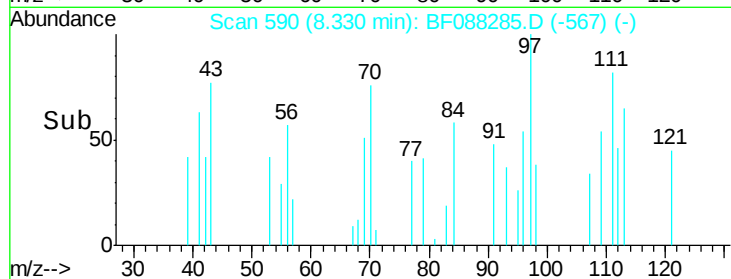
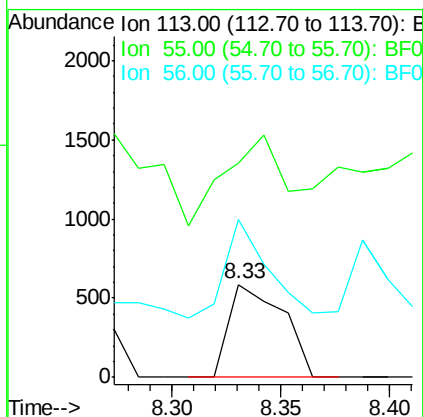
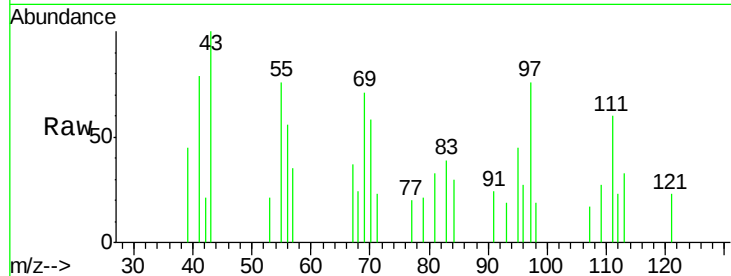




#35
Caprolactam
Concen: 2.88 ng
RT: 8.33 min Scan# 590
Delta R.T. -0.03 min
Lab File: BF088285.D
Acq: 23 Jun 2016 9:53

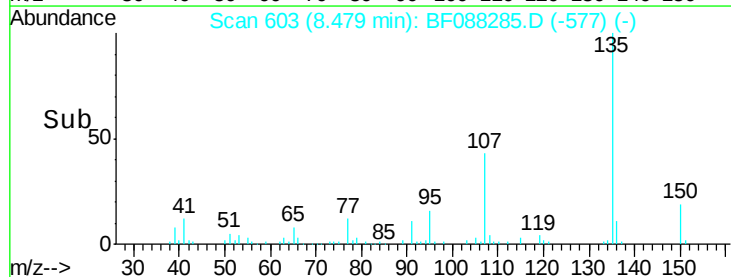
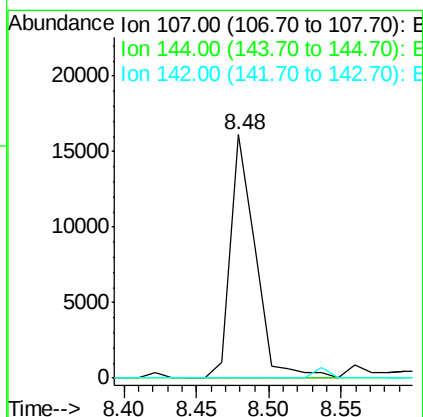
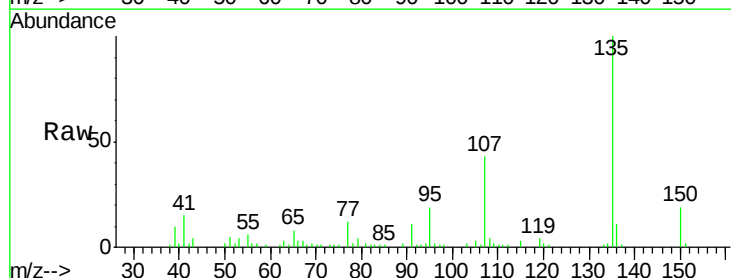
Instrument :
BNA_F
ClientSampled :

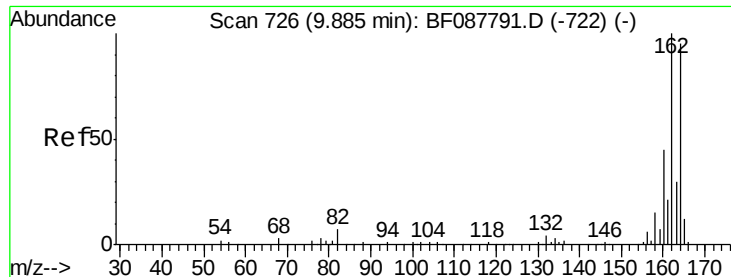
Tot Ion:113 Resp: 1011
Ion Ratio Lower Upper
113 100
55 231.0 158.6 198.6#
56 169.8 110.6 150.6#



#36
4-Chloro-3-methylphenol
Concen: 16.92 ng
RT: 8.48 min Scan# 603
Delta R.T. 0.00 min
Lab File: BF088285.D
Acq: 23 Jun 2016 9:53

Tgt Ion:107 Resp: 19164
Ion Ratio Lower Upper
107 100
144 0.0 20.8 31.2#
142 0.0 63.4 95.2#

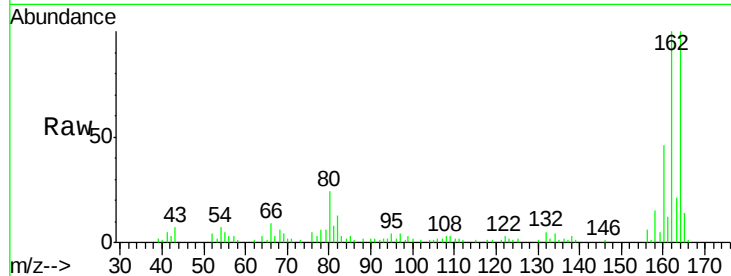




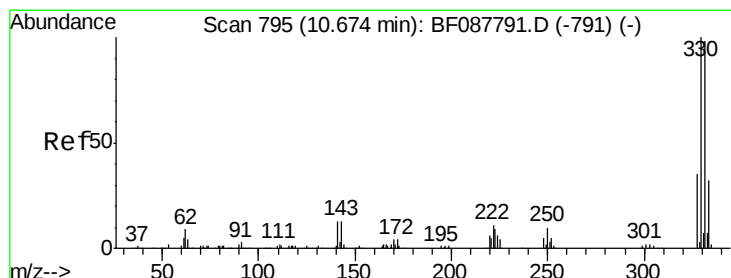
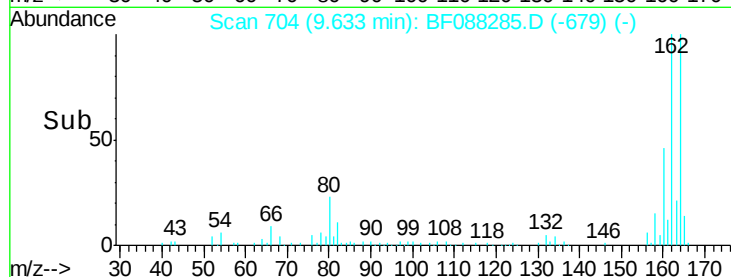
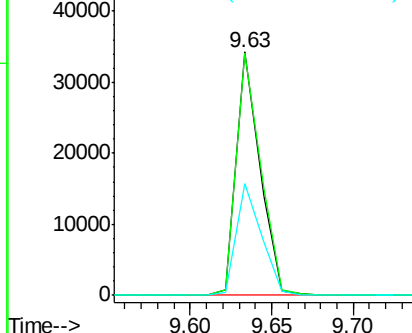
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF088285.D
Acq: 23 Jun 2016 9:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 34250
Ion Ratio Lower Upper
164 100
162 99.7 85.4 128.2
160 45.8 39.5 59.3

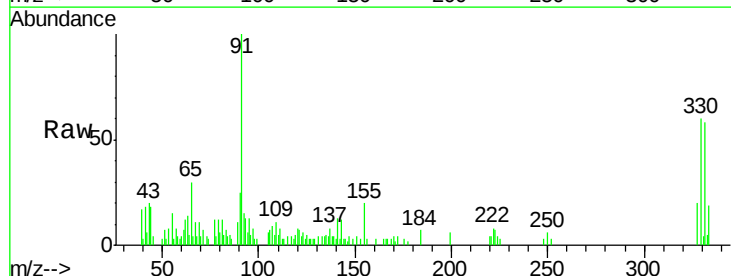


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

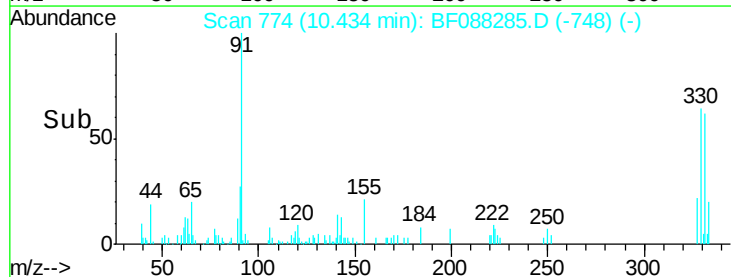
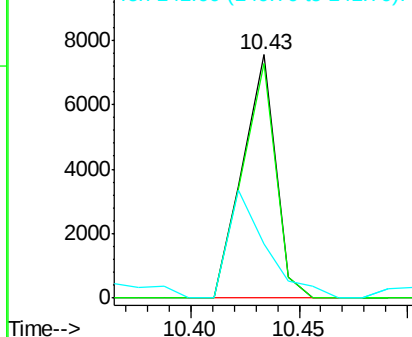


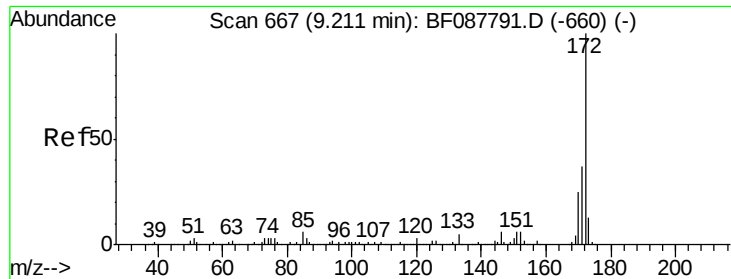
#41
2,4,6-Tribromophenol
Concen: 22.12 ng
RT: 10.43 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF088285.D
Acq: 23 Jun 2016 9:53

Tgt Ion:330 Resp: 7999
Ion Ratio Lower Upper
330 100
332 96.9 0.0 0.0#
141 50.7 0.0 0.0#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

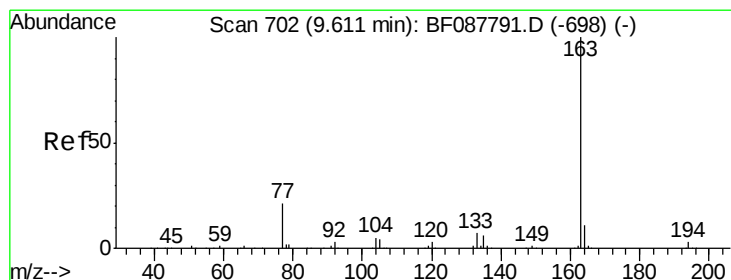
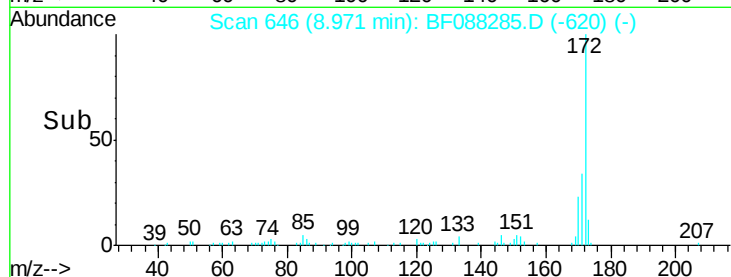
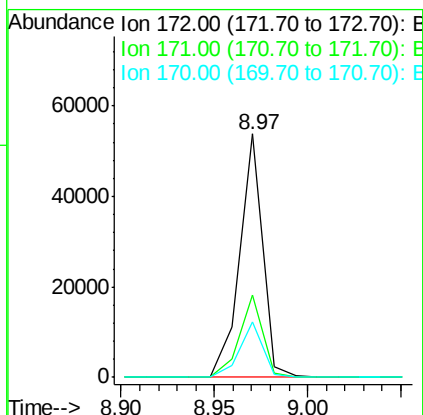
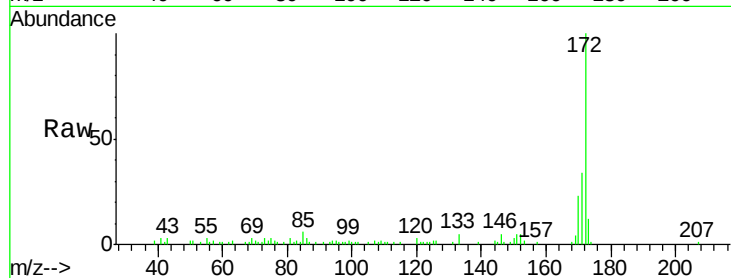




#44
 2-Fluorobiphenyl
 Concen: 16.92 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF088285.D
 Acq: 23 Jun 2016 9:53

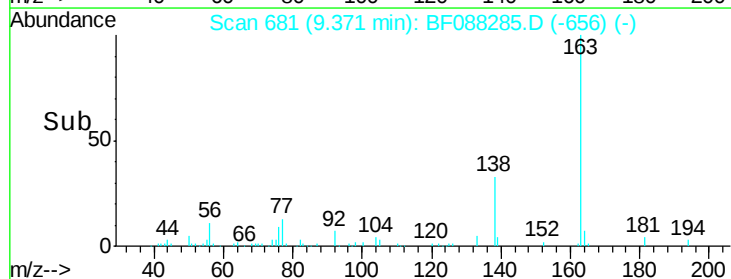
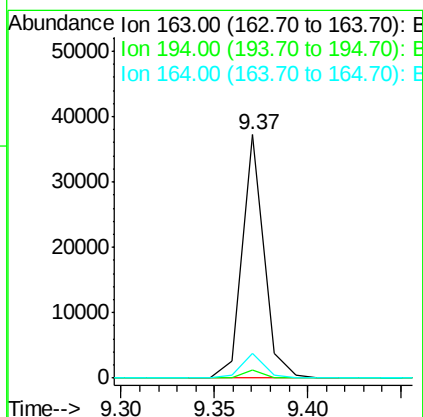
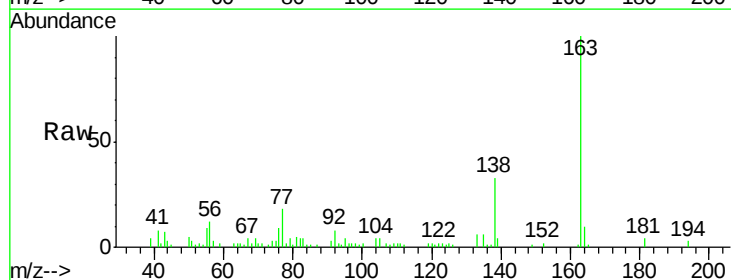
Instrument :
 BNA_F
 ClientSampleId :

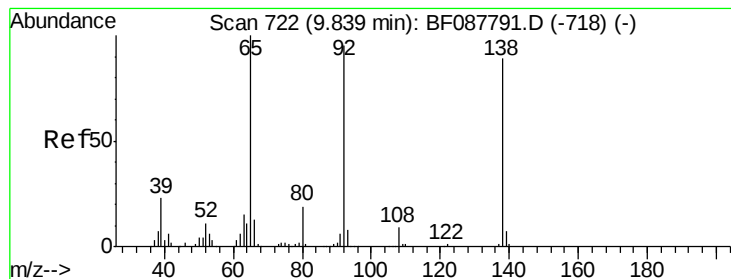
Tot Ion:172 Resp: 46559
 Ion Ratio Lower Upper
 172 100
 171 33.6 28.6 43.0
 170 23.0 19.2 28.8



#49
 Dimethylphthalate
 Concen: 12.18 ng
 RT: 9.37 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF088285.D
 Acq: 23 Jun 2016 9:53

Tgt Ion:163 Resp: 30219
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.8 4.2
 164 10.3 8.3 12.5





#52

3-Nitroaniline

Concen: 101.59 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.24 min

Lab File: BF088285.D

Acq: 23 Jun 2016 9:53

Instrument :

BNA_F

ClientSampleId :

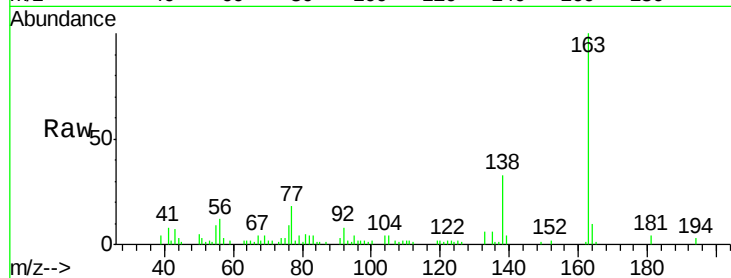
Tot Ion:138 Resp: 66607

Ion Ratio Lower Upper

138 100

108 2.9 8.5 12.7#

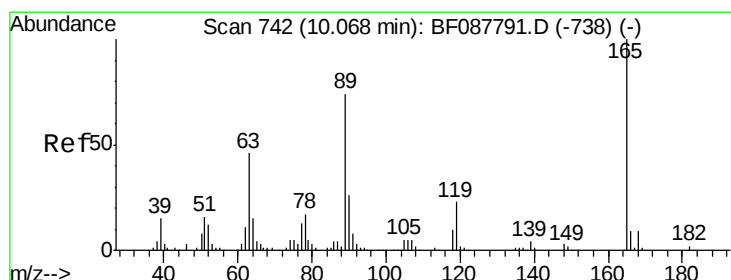
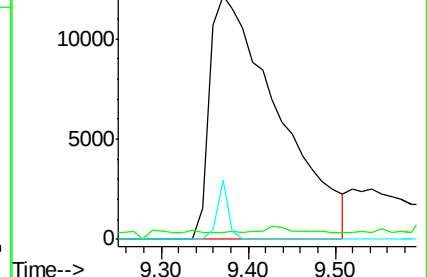
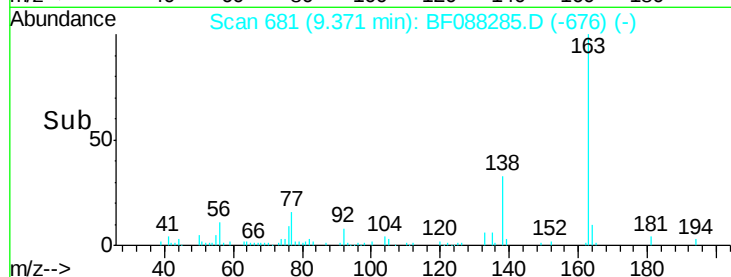
92 24.1 95.7 143.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5.86 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.22 min

Lab File: BF088285.D

Acq: 23 Jun 2016 9:53

Tgt Ion:165 Resp: 4277

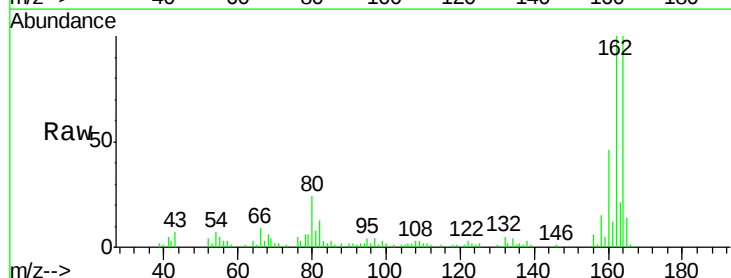
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

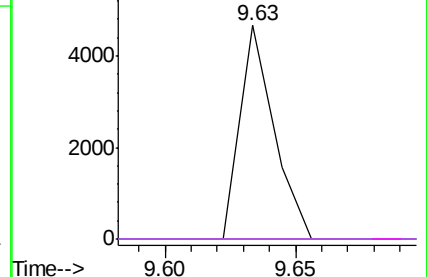
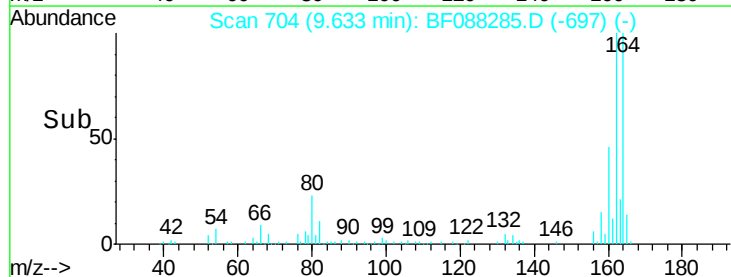


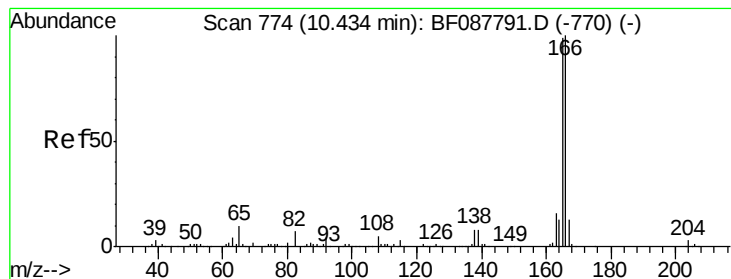
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.16 min Scan# 750

Delta R.T. -0.03 min

Lab File: BF088285.D

Acq: 23 Jun 2016 9:53

Instrument :

BNA_F

ClientSampleId :

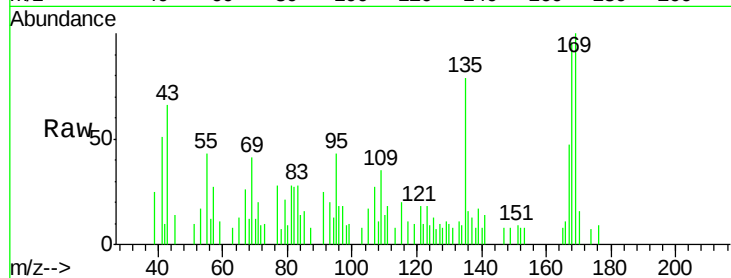
Tot Ion:166 Resp: 833

Ion Ratio Lower Upper

166 100

165 72.2 77.8 116.8#

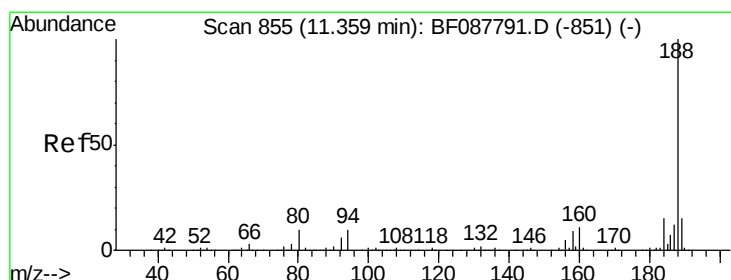
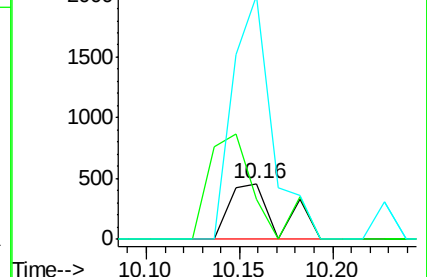
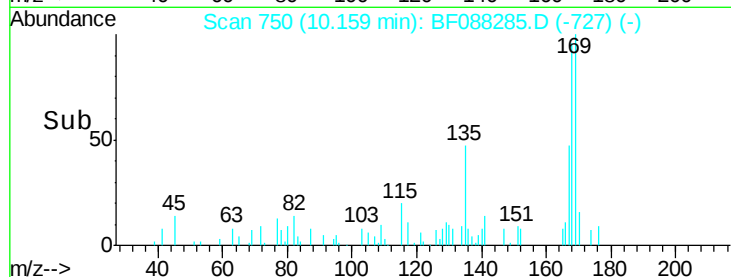
167 438.5 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF088285.D

Acq: 23 Jun 2016 9:53

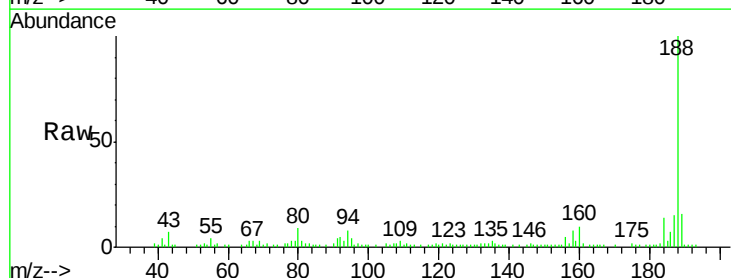
Tgt Ion:188 Resp: 48414

Ion Ratio Lower Upper

188 100

94 8.3 9.0 13.6#

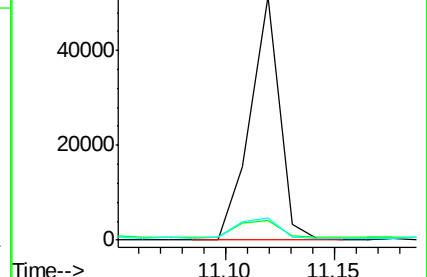
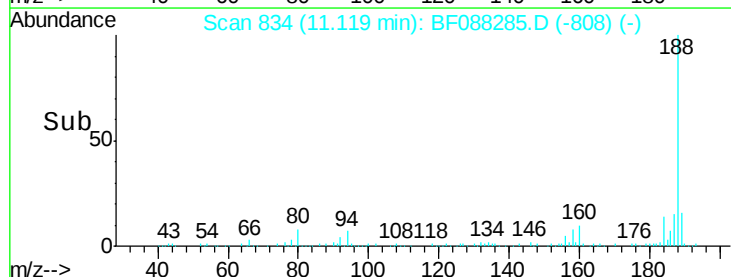
80 9.2 10.0 15.0#

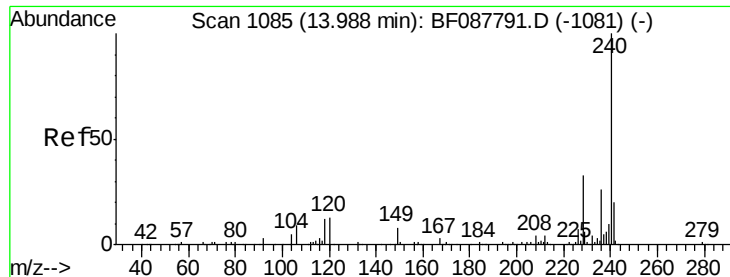


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF088285.D

Acq: 23 Jun 2016 9:53

Instrument :

BNA_F

ClientSampleId :

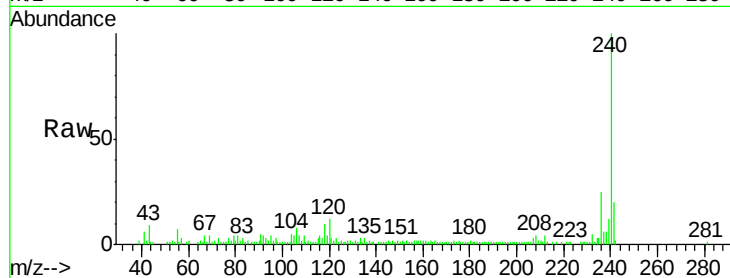
Tot Ion:240 Resp: 44047

Ion Ratio Lower Upper

240 100

120 11.7 6.8 10.2#

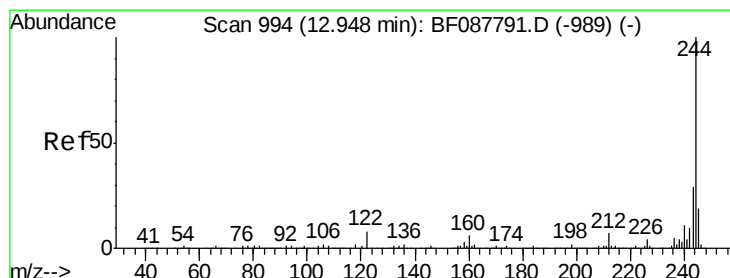
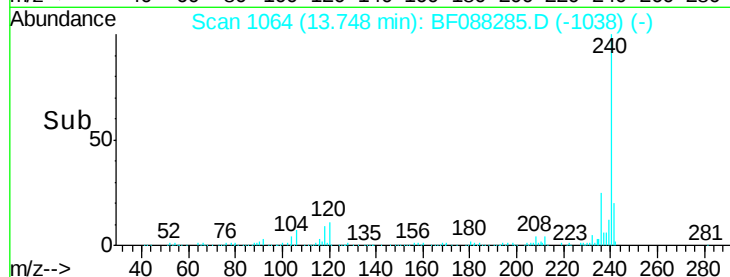
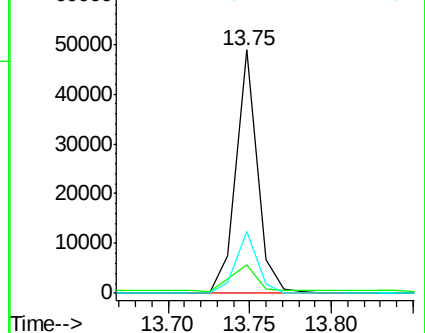
236 25.4 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 18.79 ng

RT: 12.70 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF088285.D

Acq: 23 Jun 2016 9:53

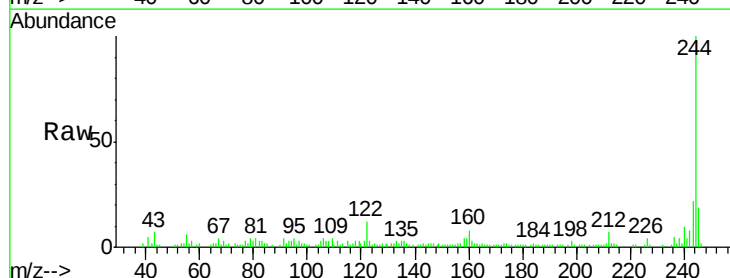
Tgt Ion:244 Resp: 36374

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

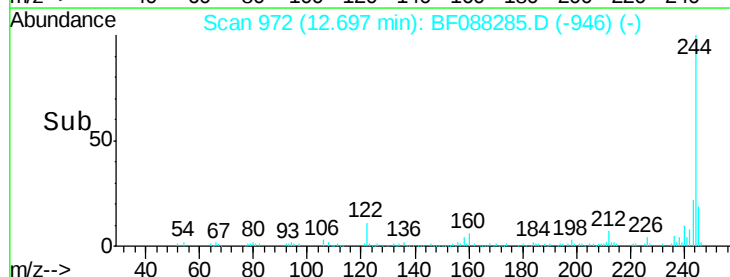
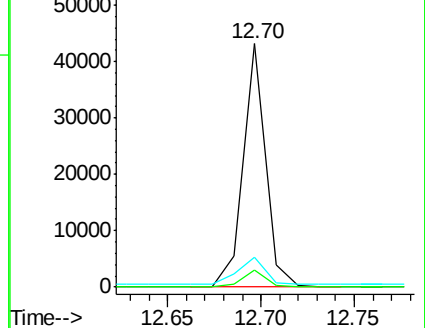
122 12.4 11.2 16.8

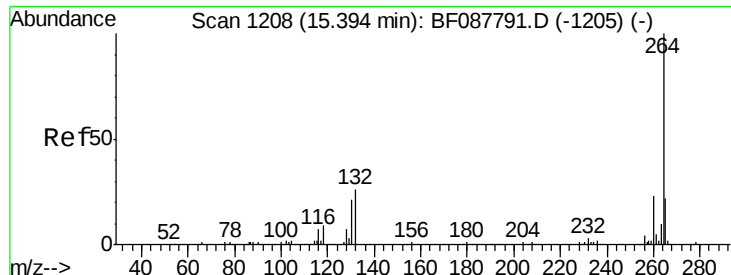


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

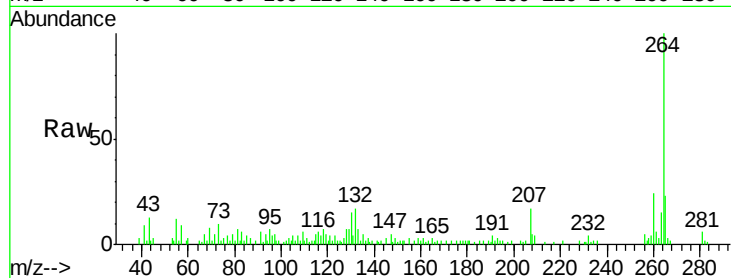




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: BF088285.D
 Acq: 23 Jun 2016 9:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.4	16.9	25.3



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

